

comprising:

    a male end of said PVC pipe which has external threads;

    a female end of said PVC pipe;

    a first enlarged interior diameter of said PVC pipe at said female end, said first enlarged interior diameter being larger than said predetermined interior diameter and having internal threads to mate with said external threads of said male end for said similar adjacent PVC pipe;

    a second enlarged interior diameter being larger than said first enlarged interior diameter and terminating said PVC pipe at said female end, said second enlarged interior diameter being (a) slightly larger in diameter than said male end of said similar adjacent PVC pipe to receive said male end therethrough and (b) long enough to provide said lateral strength when connected to said similar adjacent PVC pipe;

    said male end and said second enlarged interior diameter at said female end funneling said PVC pipe and said similar adjacent PVC pipe together;

    said PVC pipe being disconnectable from said similar adjacent PVC pipe and reusable.

19. The PVC pipe of a predetermined interior diameter that has lateral strength when connected to said similar adjacent PVC pipe as recited in Claim 1 wherein said second enlarged interior diameter being of sufficient length to receive a substantial portion of used external threads from said male end of said similar adjacent PVC pipe therein before threading, said used external threads being those threads which are threaded into said internal threads of said first enlarged interior diameter.

20. The PVC pipe as recited in Claim 19 wherein said PVC pipe is of a substantially uniform circumference at the male end.

21. The PVC pipe as recited in Claim 19 wherein said external threads terminate said male end of said PVC pipe.

22. The PVC pipe as recited in Claim 19 wherein said male end or said female end is beveled to aid said funneling.

23. The PVC pipe as recited in Claim 19 wherein said first enlarged interior diameter of said female end PVC pipe is formed by expanding said female end while heated and pliable.

24. The PVC pipe as recited in Claim 19 wherein a connection with said similar adjacent PVC pipe will withstand approximately 1000 pounds of lateral force without leaking if said PVC pipe is a 2 inch diameter PVC pipe or proportionate amounts of lateral force for different diameter PVC pipe.

25. The PVC pipe as recited in Claim 19 wherein said external threads and said internal threads are triangularly threaded.

26. A single piece polyvinyl chlorine (PVC) drop pipe having a male end and a female end and that has lateral strength when connected to a similar adjacent PVC drop pipe, said PVC pipe comprising:

- external threads at said male end;
- an intermediate section between said male end and said female end having a uniform interior diameter;
- a first cylindrical section at said female end;

a second cylindrical section having internal threads to mate with said external threads of said male end of said similar adjacent PVC drop pipe and, prior to having internal threads, having a prethreaded interior diameter which is greater than said uniform interior diameter of said intermediate section but less than the interior diameter of said first cylindrical section;

a first cylindrical section at said female end having an interior diameter which is slightly larger than the outer diameter of said male end of said similar adjacent PVC drop pipe to receive said male end of said similar adjacent PVC drop pipe herethrough;

said first cylindrical section positioned to funnel said male end of said similar adjacent PVC drop pipe to said second cylindrical section and being long enough to provide lateral strength when said PVD pipe is connected to a similar adjacent PVC drop pipe;

said second cylindrical section being positioned between said intermediate section and said first cylindrical section;

said PVC drop pipe being disconnectable from said similar adjacent PVC drop pipe and reusable.

27. The PVC drop pipe as recited in Claim 26 wherein said first cylindrical section being of sufficient length to receive a substantial portion of used external threads from said male end of said similar adjacent PVC drop pipe therein before threading, said used external threads from said male end of said similar adjacent PVC drop pipe being those threads which are threaded into and interlock with said internal threads of said first cylindrical section.

28. The PVC drop pipe as recited in Claim 26 wherein said PVC drop pipe is of a substantially uniform circumference at the male end.

29. The PVC drop pipe as recited in Claim 26 wherein said external threads terminate said male end of said PVC drop pipe.

30. The PVC drop pipe as recited in Claim 26 wherein said male end or said female end is beveled to aid said funneling.

31. The PVC drop pipe as recited in Claim 26 wherein said first cylindrical section at said female end of said PVC drop pipe is formed by expanding said female end while heated and pliable.

32. The PVC drop pipe as recited in Claim 26 wherein said external threads and said internal threads are tapered.

33. The PVC drop pipe as recited in Claim 26 wherein a connection with said similar adjacent PVC drop pipe will withstand approximately 1000 pounds of lateral force without leaking if said PVC drop pipe is a 2 inch diameter PVC drop pipe or proportionate amounts of lateral force for different diameter PVC drop pipe.

34. The PVC pipe of a predetermined interior diameter that has lateral strength when connected to said similar adjacent PVC pipe as recited in Claim 1 wherein said external threads and said internal threads are squarely threaded.

#### **RESTRICTION ELECTION REQUIREMENT**

The Examiner opines that restriction to one of the following invention in Applicant's patent application is required under 35 U.S.C. §121:

- I. Claims 1-8, drawn to a pipe assembly, classified in Class 285, subclass 333.